

**JOB:**
**REPRESENTATIVE:**

UNIT TAG:

ORDER NUMBER:

DATE:

ENGINEER:

SUBMITTED BY:

DATE:

CONTRACTOR:

APPROVED BY:

DATE:



## CRSA

Coalescing medium style air separator  
with non-removable head

**DESCRIPTION**

The Bell & Gossett CRSA is an air separator that utilizes a coalescing medium to remove impurities from HVAC systems. It features a stainless steel coalescing medium with 58% open area, non-removable end cover, and connections for an air vent, blow down valve, and skim valve. The product is designed, constructed, inspected and stamped per ASME Section VIII, Division 1.

**CONSTRUCTION MATERIALS**

**Shell:** Carbon Steel

**Coalescing Medium:** Stainless Steel

**OPERATING DATA\***

**Max Working Pressure:** 150 psig (1,034 kPa)

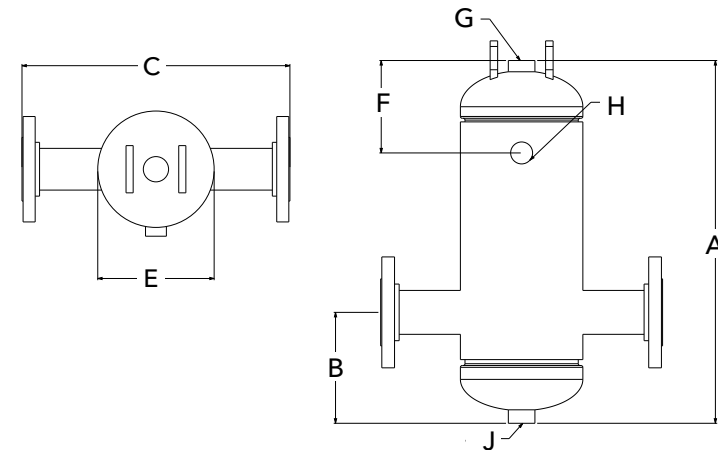
**Max Temperature:** 450°F (232°C)

**Min Temperature:** -20°F (-29°C)

\* Consult factory for higher working pressures or temperatures.

**SCHEDULE**

| PART NUMBER     | MODEL NUMBER | INLET/OUTLET CONNECTION | RECOMMENDED CAPACITY IN GPM (M <sup>3</sup> /HR) | TAGGING INFORMATION | QUANTITY |
|-----------------|--------------|-------------------------|--------------------------------------------------|---------------------|----------|
| 5337-14F-15-001 | CRSA-14F     | 14" Flanged             | 2,530 (575)                                      |                     |          |
| 5337-14G-15-001 | CRSA-14G     | 14" Grooved             | 2,530 (575)                                      |                     |          |
| 5337-16F-15-001 | CRSA-16F     | 16" Flanged             | 3,300 (750)                                      |                     |          |
| 5337-16G-15-001 | CRSA-16G     | 16" Grooved             | 3,300 (750)                                      |                     |          |
| 5337-18F-15-001 | CRSA-18F     | 18" Flanged             | 4,180 (950)                                      |                     |          |
| 5337-18G-15-001 | CRSA-18G     | 18" Grooved             | 4,180 (950)                                      |                     |          |
| 5337-20F-15-001 | CRSA-20F     | 20" Flanged             | 5,200 (1,181)                                    |                     |          |
| 5337-20G-15-001 | CRSA-20G     | 20" Grooved             | 5,200 (1,181)                                    |                     |          |
| 5337-22F-15-001 | CRSA-22F     | 22" Flanged             | 6,165 (1,400)                                    |                     |          |
| 5337-22G-15-001 | CRSA-22G     | 22" Grooved             | 6,165 (1,400)                                    |                     |          |
| 5337-24F-15-001 | CRSA-24F     | 24" Flanged             | 7,500 (1,703)                                    |                     |          |
| 5337-24G-15-001 | CRSA-24G     | 24" Grooved             | 7,500 (1,703)                                    |                     |          |

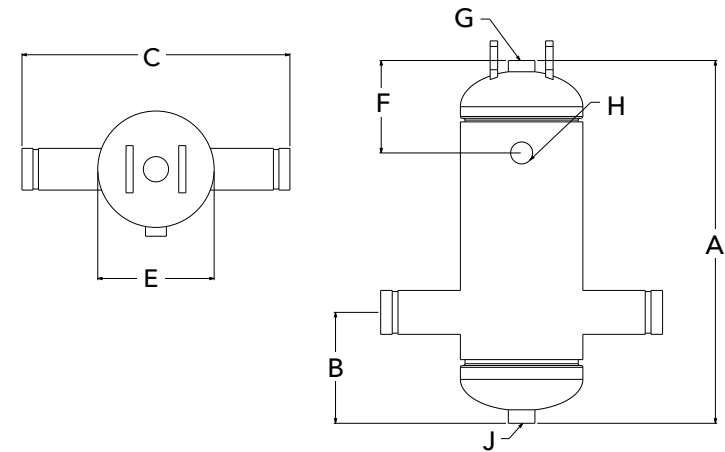


DIMENSIONS AND WEIGHTS

| MODEL NUMBER | DIMENSIONS - INCHES (mm) |                |                 |                 |                |          |          |        | SHIPPING WEIGHT LBS (KG) | FLOODED WEIGHT LBS (KG) | CV    |
|--------------|--------------------------|----------------|-----------------|-----------------|----------------|----------|----------|--------|--------------------------|-------------------------|-------|
|              | A                        | B              | C               | E               | F              | G        | H        | J      |                          |                         |       |
| CRSA-14F     | 66.00<br>(1676)          | 19.00<br>(483) | 45.00<br>(1143) | 28.00<br>(711)  | 12.50<br>(318) | 3/4" NPT | 1/2" NPT | 2" NPT | 920<br>(418)             | 2339<br>(1061)          | 2,362 |
| CRSA-16F     | 66.00<br>(1676)          | 19.00<br>(483) | 50.00<br>(1270) | 32.00<br>(813)  | 12.50<br>(318) | 3/4" NPT | 1/2" NPT | 2" NPT | 1084<br>(492)            | 2954<br>(1340)          | 3,255 |
| CRSA-18F     | 71.00<br>(1803)          | 24.00<br>(610) | 56.00<br>(1422) | 36.00<br>(914)  | 12.50<br>(318) | 3/4" NPT | 1/2" NPT | 2" NPT | 1278<br>(580)            | 3803<br>(1726)          | 4,048 |
| CRSA-20F     | 73.31<br>(1862)          | 24.00<br>(610) | 61.50<br>(1562) | 40.00<br>(1016) | 14.00<br>(356) | 3/4" NPT | 1/2" NPT | 2" NPT | 1560<br>(708)            | 4598<br>(2086)          | 5,049 |
| CRSA-22F     | 75.31<br>(1913)          | 30.00<br>(762) | 62.00<br>(1575) | 48.00<br>(1219) | 15.50<br>(394) | 3/4" NPT | 1/2" NPT | 2" NPT | 1888<br>(857)            | 6184<br>(2806)          | 6,216 |
| CRSA-24F     | 75.31<br>(1913)          | 30.00<br>(762) | 62.00<br>(1575) | 48.00<br>(1219) | 15.50<br>(394) | 3/4" NPT | 1/2" NPT | 2" NPT | 1950<br>(885)            | 6346<br>(2879)          | 8,234 |

IMPORTANT NOTES

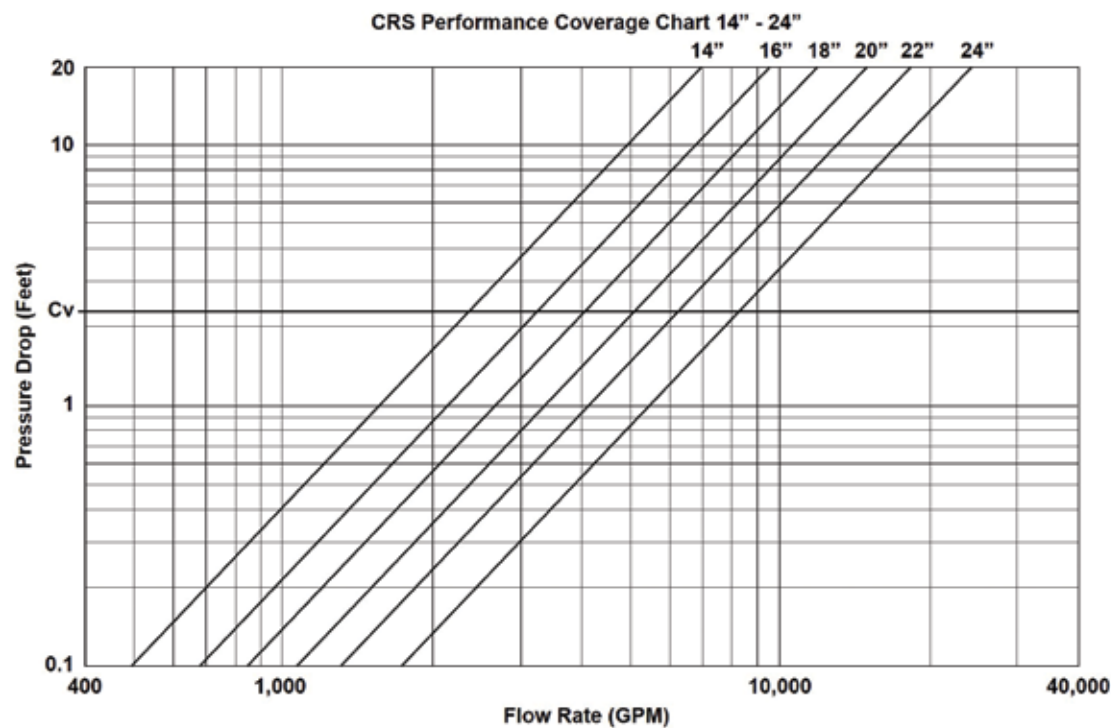
- 1. Consult IOM 0121-01 for safety and service instructions.
- 2. Lifting lugs are for transportation and installation of the empty vessel, and are not to be used for complete or partial support of the flooded vessel.
- 3. Welding to the pressure vessel boundary will void the ASME stamp.
- 4. Dimensions subject to change. Not to be used for construction purposes.



DIMENSIONS AND WEIGHTS

| MODEL NUMBER | DIMENSIONS - INCHES (mm) |                |                 |                 |                |          |          |        | SHIPPING WEIGHT<br>LBS (KG) | FLOODED WEIGHT<br>LBS (KG) | CV    |
|--------------|--------------------------|----------------|-----------------|-----------------|----------------|----------|----------|--------|-----------------------------|----------------------------|-------|
|              | A                        | B              | C               | E               | F              | G        | H        | J      |                             |                            |       |
| CRSA-14G     | 66.00<br>(1676)          | 19.00<br>(483) | 45.00<br>(1143) | 28.00<br>(711)  | 12.50<br>(318) | 3/4" NPT | 1/2" NPT | 2" NPT | 766<br>(348)                | 2194<br>(996)              | 2,362 |
| CRSA-16G     | 66.00<br>(1676)          | 19.00<br>(483) | 50.00<br>(1270) | 32.00<br>(813)  | 12.50<br>(318) | 3/4" NPT | 1/2" NPT | 2" NPT | 885<br>(402)                | 2769<br>(1256)             | 3,255 |
| CRSA-18G     | 71.00<br>(1803)          | 24.00<br>(610) | 56.00<br>(1422) | 36.00<br>(914)  | 12.50<br>(318) | 3/4" NPT | 1/2" NPT | 2" NPT | 1060<br>(481)               | 3608<br>(1637)             | 4,048 |
| CRSA-20G     | 73.31<br>(1862)          | 24.00<br>(610) | 61.50<br>(1562) | 40.00<br>(1016) | 14.00<br>(356) | 3/4" NPT | 1/2" NPT | 2" NPT | 1284<br>(583)               | 4397<br>(1995)             | 5,049 |
| CRSA-22G     | 75.31<br>(1913)          | 30.00<br>(762) | 62.00<br>(1575) | 48.00<br>(1219) | 15.50<br>(394) | 3/4" NPT | 1/2" NPT | 2" NPT | 1559<br>(708)               | 5853<br>(2655)             | 6,216 |
| CRSA-24G     | 75.31<br>(1913)          | 30.00<br>(762) | 62.00<br>(1575) | 48.00<br>(1219) | 15.50<br>(394) | 3/4" NPT | 1/2" NPT | 2" NPT | 1559<br>(708)               | 6025<br>(2733)             | 8,234 |

- IMPORTANT NOTES**
- 1. Consult IOM 0121-01 for safety and service instructions.
  - 2. Lifting lugs are for transportation and installation of the empty vessel, and are not to be used for complete or partial support of the flooded vessel.
  - 3. Welding to the pressure vessel boundary will void the ASME stamp.
  - 4. Dimensions subject to change. Not to be used for construction purposes.



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